MANUFACTURER'S NAME



SHELL OIL COMPANY SHELL CHEMICAL COMPANY SHELL DEVELOPMENT COMPANY SHELL PIPE LINE CORPORATION

MSDS 5200-1

EMERGENCY TELEPHONE NO.



MATERIAL SAFETY DATA SHEET

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SECTION I

Sherr chemicar company				1 713-473	-9461	4
One Shell Plaza, P.O. Box 2463,	Hous	ton, Tex	as 77001			
Ethylene Glycol Monobutyl Ether				tyl Oxitol(R) Glycol Eth	er
CHEMICAL FAMILY Glycol Ether			FORMULA CEHT	<u>⊬</u> 05		
SECTIO	N II	HAZARD	OUS INGRED	ENTS"	•	
	T	T	L D ₅₀		LC ₅	0
COMPOSITION	76	SPECIES	ORAL	DERMAL	CONCENTRATION	HOURS
•			***			
						1
			Company Company Company			
Ethylene Glycol Monobutyl Ether	100	Rat	1.48 to 2.50 g/kg			
		Rabbit		0.45 to 0.56 g/kg		
		Mouse	1.2 g/kg		700 ppm	7
						1
			·			
						-
		<u> </u>	4			
	CTION	III PHY	SICAL DATA			<u> </u>
BOILING POINT (F)		340	SPECIFIC GRA	VITY (H20=1)		0.90
VAPOR PRESSURE (mmHg)@ 680F		0.6	PERCENT VOLATILE BY VOLUME (2)			0
VAPOR DENSITY (AIR=1)		4.1	EVAPORATION RATE (_n_Buac =1)			0.07
SOLUBILITY IN WATER		100%	e terrese			
APPEARANCE AND ODOR Clear, colorles	ss lic	quid; mi	ld odor.	ALCOHOLOGICA CONTRACTOR CONTRACTO		
and the second s		The second secon	The second secon			
			3 3 3			

SECI	ION IV FIRE	AND EXPLOSION HAZARD DATA		nii e
FLASH POINT (Method used)		FEAMMABLE LIMITS	Lel	9ei *
138°F	TCC	and the second s	······································	-
Foam, CO2, dry chemicals	s, water fog	or steam.		
Exclude air. Do not use	e stream of	water. Do not enter confined fire	e space w	rithout
proper protective equipm	ment includi	ng NIOSH approved self contained	preathing	apparatu
UNUSUAL FIRE AND EXPLOSION HAZARDS NONE				

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

OSHA TWA = 50 PPM (skin)

EFFECTS OF OVEREXPOSURE Moderate to severe eye irritant; slightly irritating to skin. Vapor can cause damage to liver, kidneys, and blood. The same effects can be produced by absorption of the liquid through the skin.

EMERGENCY AND FIRST AID PROCEDURES Skin-remove liquid with soap and water. Eyes-flush with water at least 15 minutes.

Ingestion-give large amounts of water or milk to drink, induce vomiting by touching back of throat with finger. Obtain medical attention immediately. Inhalation-remove wictim to fresh air. Use artificial respiration if required. Obtain medical attention

			SECT	ION VI R	REACTIVITY DAT	TA		
STABILITY	A BILITY UNSTABLE				open flame.			
	STABLE X							
				idizing a	agents. Alumi	num.		
Dissolves al				which are	e scratched or	heated.	Gives off	'hydrogen.
,		MAY DC	CUR		CONDITIONS TO AVO	סוס		
POLYMERIZATION	ION	WILL NO	OT OCCUR	х				

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Immediately eliminate any open flame. Provide adequate ventilation. Protect against storm drain or water supply contamination. Notify authorities if any exposure to the general public or environment is threatened.

Small spills-collect on absorbent materials. Sweep up and drum off for disposal.

Large spills-pump into drums or vacuum truck for ultimate disposal. Dispose of waste by controlled burning.

	SECTION VIII				
RESPIRATORY PROTECTION (Specify type) NIOSH-approved organic cartridge respirator, canister mask or air pack as required.					
VENTILATION	Local Exhaust Recommended		,	SPECIAL	
	MECHANICAL (General) Recommended			OTHER	
As required to	prevent skin conta	ıct	EYE PROTECT	on Chemical safety goggles to ard against splashing.	
As required to	prevent skin conta	ict		7 9	

SECTION IX SPECIAL PRECAUTIONS

Handle as combustible liquid. Avoid all open flame. Avoid splash-filling. Store in

cool, well-ventilated locations. Avoid use of aluminum equipment.

ATTENTION: PRODUCT CONTAINER HAZARDOUS WHEN EMPTIED. Since emptied container retains product residues (vapor or liquid), all labeled hazard precautions must be observed.

 Product Safety and Compliance
Oil and Chemical Products
Shell Oil Company
 April 1078

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